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TITLE: Implementation and Evaluation of a Web-based Automated  
Mental Health Intake System

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# MidTerm Overall Evaluation Report



PROPOSAL: 2000000154

TITLE: Implementation and Evaluation of a Web-based Automated Mental Health Intake System

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## ACCOMPLISHMENTS

Protocol: A complete protocol was submitted to the Walter Reed Army Medical Center Department of Clinical Investigations (WRAMC-DCI) on 6 November 2001. The WRAMC-DCI reviewers tabled the protocol and suggested that we resubmit after making a number of recommended changes. These changes are being made and we will be ready to resubmit in early January. Functional Requirements: We completed functional requirements for system design and, pending completion of a contract, the system description, functional requirements and contract will be sent out for bids. Other accomplishments include: ? Hired a full-time research assistant (part time for this project) ? Contracted a legal consultant to research legal issues and develop legal policy in the area of telemedicine/telepsychiatry/web-based information. The consultant completed the task. ? Designated space and purchasing equipment: designing and locating the research office and patient computer area, ordering some equipment (one computer and furniture), completing the work-order for cable and T1 lines. ? Secured contracts for electronic version of questionnaires, ? Revised and streamlined all intake related clinic forms ? Developed research questionnaires based on reviewed literature and existing validated instruments, ? Delivered several presentations on legal and technological aspects of the project at the Army Behavioral Health Short Course, August 2001.

PI's Accomplishment Evaluation: : Project accomplishments are close to proposal

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## PROBLEMS

Legal complexities involved in attempts to acquire rights to use one of our existing clinic outcome measures (YOQ) slowed instrument development in March/April and were finally resolved by adopting a different instrument (Ohio Scales). Progress on all aspects of the project was considerably slowed beginning with the departure of our first research assistant in early June quickly followed by PCS of a major contributor who then became a collaborator. A week-long loss of power at WRAMC in August halted progress entirely (power was not fully restored to many peripheral buildings, including our building, until early September). The 11 September terrorist attacks followed almost immediately on the heels of the power outage. Little work was done on the project during September and October 2001 due to diversion of staff in support of Operations Noble Eagle, Enduring Freedom and Operation Solace. Coordinating technical information for the functional requirements and securing the bid has taken longer than initially anticipated. Initial review of the protocol on 6 November by DCI has required a complete rewrite, changing the protocol from a rigorous scientific design to a feasibility study. This is currently in-progress.

PI's Problem Area Evaluation: : Project encountered some problems/issues

## LIFE-CYCLE

Although behind schedule, the project will continue as planned. Once the automation system has been built, and the protocol has been officially approved, we will begin to collect the data. Once data collection is complete, we will analyze and report.

PI's Life-Cycle Evaluation: : Project encountered some problems/issues

## DELIVERABLES

The final result will produce data on the feasibility of an operative web-based patient intake system. Analysis of the data will provide a test of concept and "lessons learned" for development of other web-based components of the evolving Behavioral Health Computer System.

PI's Deliverables Evaluation: : Deliverable is on schedule per Proposal

## Expenditures

Element of Resource (EOR)	1ST Quarter Oct 1 - Dec 31	2nd Quarter Jan 1 - Mar 31
Travel 2100	\$1,692.24	\$0.00
Shipping 2200	\$0.00	\$0.00
Rent & Communications 2200	\$0.00	\$135.00
Contract for Services 2500	\$11,455.23	\$42,352.12
Supplies 2600	\$0.00	\$0.00
Equipment 3100	\$3,152.50	\$6,490.96

## Financial Narrative:

Travel expenditures were made for two individuals to attend a telemedicine conference in Florida. A communication expenditure was made to fund a presentation at a behavioral short course, discussing the project. Contract for Services funding has gone towards the research assistant and has secured the expertise of a legal specialist in the area of health informatics. This individual is ensuring that our effort is IAW federal law and Army regulation and is also assisting us through the institutional review board, human use, and contracting obstacles. Purchased equipment are the following: Dell Precision 330, Vanderbilt form, Ohio Scales license, electronic rights to Checkmate Plus, and furniture.

PI's Financial Evaluation: : Deliverable is on schedule per Proposal

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**\* END OF REPORT \***